

**Notice of Allowability**

Application No.

10/840,096

Examiner

George A. Bugg

Applicant(s)

HENRY, PAUL SHALA

Art Unit

2636

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Application filed on 05/06/2004.
2. ☒ The allowed claim(s) is/are 1,3-9 and 11-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 05/06/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Drawings***

1. The drawings were received on 05/06/2004. The drawings are accepted by the Examiner.

## **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeffrey Weinick on 02/08/2006.

The application has been amended as follows:

On page 1 of the specification, at line 2 of paragraph 2, insert ---- 10/839,945 --- in the blank and remove --- (Attorney Docket No. 2004-0028) ---

On page 1 of the specification, at line 3 of paragraph 2, insert --- 05/06/2004 --- in the blank

On page 5 of the specification, at line 6, of paragraph 25, insert --- 10/839,945 --- in the blank and remove --- (Attorney Docket No. 2004-0028) ---

In claim 1, remove the word "and" from line 7

Also in claim 1, change the period at the end of line 9 to a semicolon and insert the following --- and determining adjustment parameters by adjusting said at least one characteristic of at least one of said first and second signals until the output of a differential receiver operating on said first and second signals is zero. ---

Cancel claim 2

In claim 9, remove the word "and" from line 8

Also in claim 9, change the period at the end of line 11 to a semicolon and insert the following --- and means for determining adjustment parameters by adjusting said at least one characteristic of at least one of said first and second signals until the output of a differential receiver operating on said first and second signals is zero. ---

Cancel claim 10

In claim 14, remove the word "and" from line 5

Also in claim 14, change the period at the end of line 8 to a semicolon and insert the following --- wherein adjustment parameters are determined by adjusting said at least one characteristic of at least one of said first and second signals until the output of a differential receiver operating on said first and second signals is zero. ---

***Allowable Subject Matter***

3. Claims 1, 3-9, and 11-15 are allowed.

4. The following is an examiner's statement of reasons for allowance: Prior art fails to teach or suggest a method, apparatus, or system for reducing the effects of inbound interference in a power-line transmission system, wherein each of a first and second signals, each on a first and second line respectively, contain a modulated component and an interference component, and further comprising an adjustment module, for adjusting a characteristic of at least one of the signals, until the output of a differential receiver, which receives both signals, is zero.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

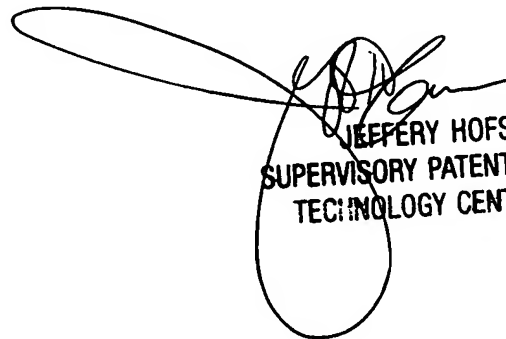
Any inquiry concerning this communication or earlier communications from the examiner should be directed to George A. Bugg whose telephone number is (571) 272-2998. The examiner can normally be reached on Monday-Thursday 9:00-6:30, and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Hofsass can be reached on (571) 272-2981. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

George A Bugg  
Examiner  
Art Unit 2636

February 9, 2006



JEFFERY HOFSSASS  
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